

# Radioactive Aerosol Detector

**Model: TK-801**



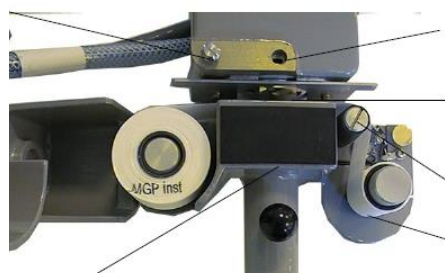
## I . Product Introduction

Abta-HD is designed for measuring the alpha, beta particulate activity and dose rate with an external gamma detector. The Abta-HD is capable of sampling from 30 L/min up to 140 L/min. Dual  $\Phi 30\text{mm}$  PIPS detectors, one for alpha, beta detecting and the other for gamma compensation when beta measurement.

## II . Technical Specifications

- Detector: 2×PIPS detectors, one for alpha/beta filter measurement, one for gamma compensation, each  $\Phi 30\text{mm}$ .
- External Gamma detector: GM tube with energy compensation,  $0.1\mu\text{Sv/h}$ - $10\text{Sv/h}$
- sampling flow rate: 30 L/min up to 140 L/min
- MDL(95%) $\text{Bq/m}^3$ :  $\alpha < 0.01\text{Bq/m}^3$

$$\beta < 0.05\text{Bq/m}^3$$



### III. Applications

It can be used for monitoring in air、 duct and stack in the nuclear facility.



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